Third Year B. Tech., Sem V 2021-22

Programming Lab 3

Practical No-8

PRN/Roll No: 2019BTECS00070

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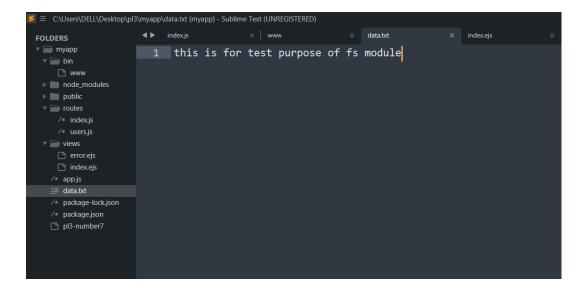
Batch: T2

Problem Statement 1:

1. With the help of suitable examples use following Node.js pre-built modules in Node.js Application.

A. FS module:

--->Read:

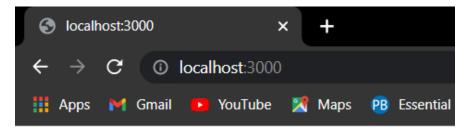


```
    □ C:\Users\DELL\Desktop\pl3\myapp\routes\index.js (myapp) - Sublime Text (UNREGISTERED)

FOLDERS
                          1 var express = require('express');
2 var router = express.Router();

¬ myapp

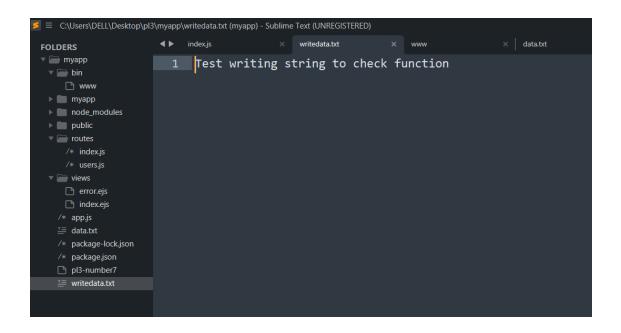
                            /* GET home page. */
router.get('/', function(req, res, next) {
res.render('./data.txt','utf-8', (err,data) =>{
  ▶ 🔲 public
  ▼ 🚞 routes
    /* index.js
     /* users.js
                                      if(err){
                                         console.log(err);
                                      }
else{
    error.ejs
                                        res.send(data);
}
   ≝ data.txt
    /* package-lock.json
   pl3-number7
                                  module.exports = router;
```



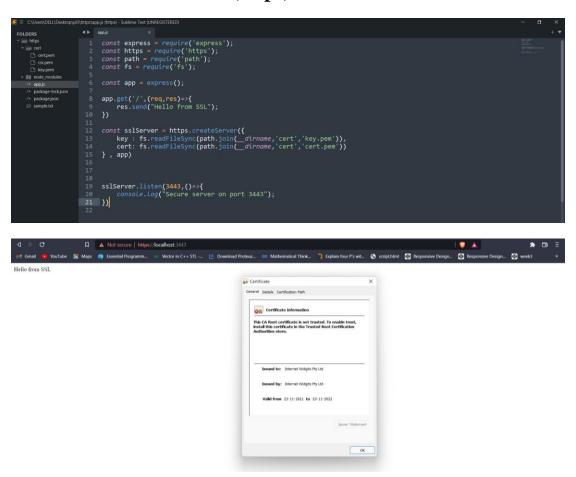
this is for test purpose of fs module

--->Write:

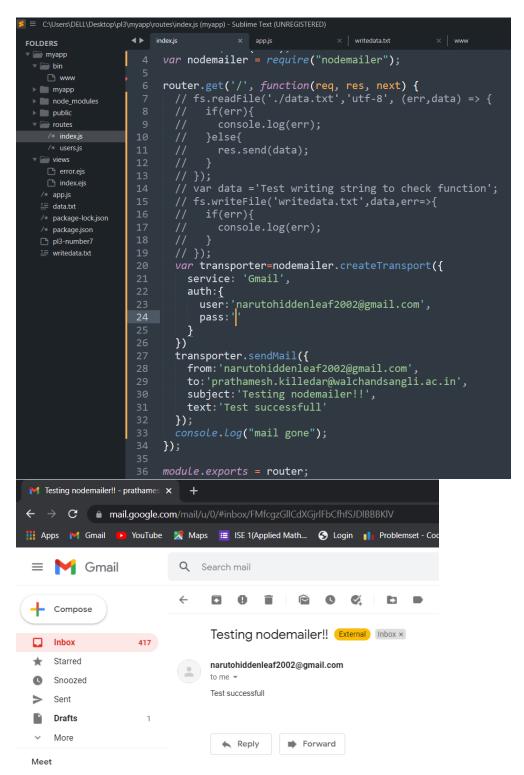
```
C:\Users\DELL\Desktop\pl3\myapp\routes\index.js (myapp) - Sublime Text (UNREGISTERED)
FOLDERS
 🔻 🦳 myapp
                           1 var express = require('express');
                          2 var router = express.Router();
3 var fs=require('fs');
                           5 /* GET home page. */
                               router.get(')', function(req, res, next) {
  fs.readFile('./data.txt','utf-8', (err,data) => {
 ▼ 🚞 routes
     /* index.js
                                        console.log(err);
                                   res.send(data);
}
   ± data.txt
                                   });
var data ='Test writing string to check function';
fs.writeFile('writedata.txt',data,err=>{
    /* package-lock.json
                                     if(err){
   console.log(err);
    });
                                module.exports = router;
```



b. Secure HTTP Module (https)



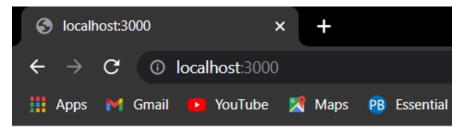
c. Nodemailer Module (nodemailer) :



Problem Statement 2:

1. Create a user defined module and use it in Node.js Application that uses HTTP server.

```
C:\Users\DELL\Desktop\pl3\myapp\routes\index.js (myapp) - Sublime Text (UNREGISTERED)
FOLDERS
                        1 var express = require('express');
2 var router = express.Router();
▼ 🚞 myapp
 ▶ ■ node_modules
                           4 /* GET home page. */
                           router.get('/', function(req, res, next) {
   res.render('./data.txt','utf-8', (err,data) =>{
   if(orr)(
  v a routes
     /* index.js
                                    if(err){
     /* users.js
                                         console.log(err);
                                   }
else{
res.
                                      res.send(data);
   /* package-lock.json
    /* package.json
   pl3-number7
                                module.exports = router;
```



this is for test purpose of fs module